AL-1623 Smart Card Programmer Installation Instructions

Introduction

This is the AL-1623 Smart Card Programmer Installation Instructions. Use Alliance Professional management software and the AL-1623 programmer to quickly and easily program cards used with the Alliance Smart Card reader. You can create configuration cards to program Smart Card readers simply by badging them.

The Smart Card programmer ships with a power pack and a serial cable with RS232 9-pin connectors.

Figure 1 below shows the programmer components. The Reader connection is not used at this time.

Figure 1: Smart Card Programmer components
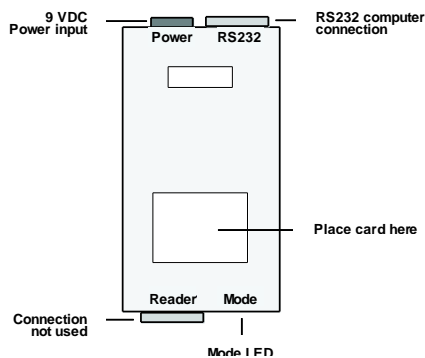
Mode LED

The mode LED indicates which mode the AL-1623 is in and if it is working properly.

Red. There is power, but no data.

Orange/yellow. There is power and the programmer is ready to read, write, or delete.

Flashing green. The programmer is writing or reading. The programmer will also beep with each card written.

Note: The green circle at the bottom right of the Alliance Professional management software screen representing the Comms port will also flash, indicating the Comms port connection is working.

Power

The round power input socket connects to the 9 VDC power pack supplied with the programmer.

RS232

The 9-pin RS232 serial port connects to the serial cable supplied with the programmer.

Installation

To install the programmer, do the following:

1. Attach the plug pack into your power outlet and the other end of the power pack into the 9 VDC power input socket (Figure 1 above). Two beeps will sound and the mode LED will be red.

2. Plug the 9-pin serial cable into the AL-1623 RS232 input and the other end of the cable into the spare Comms port on your computer. This enables communication between your programmer and Alliance Professional management software.

Programming

The AL-1623 Smart Card Programmer software is a part of the Alliance Professional management software package. Use Alliance Professional's Card Programmer setup menu to get started. Refer to your Alliance Professional documentation and online help for programming details.

Setup

To set up the AL-1623 in Alliance Professional, do the following:

1. From the Alliance Professional main menu, select Admin > Card Programmer>Serial Communication.

2. In the Serial Communication screen, click Activate Programmer.

3. From the drop-down list in the choose the Com port number for the serial port.

4. Type a description such as Smart Card Programmer, in the Description field.

    Connection password. You need a connection password to connect to the AL-1263 programmer so that unauthorized cards cannot be programmed. This password can be any numeric password up to ten characters in length, and can be changed by the user.

    Poll rate. The poll rate indicates how often Alliance Professional polls the card reader.

    Master overwrite password. This is requested when a new card for a user is created, and that user already has a card issued, or, when a request is made to rewrite data to a card that already has data on it

5. Click the **Save** icon to save the record.

The programmer is set up and ready to use. Once you move into other Card Programmer menus:

• The mode LED on the programmer will turn orange/yellow to show the Smart Card Reader is ready to write.

• The circles at the bottom of the Alliance Professional screen will flash to indicate the port connection is working.

interlogix
A UTC Fire & Security Company

Card programmer menu

From the Alliance Professional main menu, select **Admin > Card Programmer** to access the following menu options.

Write reader config cards

Use this menu option to program a Smart Card reader by badging it with a reader configuration card. The settings needed for the Smart Card readers are set up in Alliance Professional and then written to the card with the programmer. Once a reader is badged, it configures itself to the settings stored on the reader configuration card.

The information on the reader configuration card can be read back to Alliance Professional and also rewritten. This allows the settings to be changed at any time. Factory-set default settings are also available.

Define credit units

Use this menu option to add a maximum of 65, 534 credits to the card for a user. You can use credits to access photocopying, vending machines, or parking. Once you add credits to a card, you can add to or subtract from the credit amount. Each time you badge a card, a predetermined number of credits are subtracted from the card.

The maximum number of credits allowed on a card is 65, 535. If you write 65, 535 credits to a card, the card turns into a master card and the credits will never be reduced.

Define location rights

Use this menu option to give or restrict access to various locations. The defaults are: Front Office, Factory, Store Room, and Executive Suite. You can rename these default locations.

Smart card reset utility

Use this menu option to remove all information from the cards and blank the cards (the factory default) for future use. This process removes all information unless the password is locked on the card. Cards with locked passwords cannot be modified or blanked.

Card configuration

Use this menu option to manage the following:

Card security passwords. This option comes with a default password that can be changed. We strongly recommend you change the default to a password of your own (integers must be less than 127).

Card password locks. Cards programmed with locked passwords cannot be modified or returned to blank.

Card site code range. Used to add or change card site code numbers (1 to 2047).

Wiegand format. Used to choose Alliance Wiegand ASP (recommended) or 26-bit Wiegand format.

Smart Card programmer software version. Used to find the programmer software version number for technical support.

Recall. Used to find the programmer software version number for technical support.

User menu options

From the Alliance Professional main menu, select **Users > Users** to access user menu option.

Card issue

Use this menu option to manually check and change the card:

- Alliance number
- Status
- Raw card data number
- Actual card number
- Site code
- PIN code

From this screen card information is sent to the programmer. Once any changes to the default settings are made, press the Write button. Place a blank card over the marked area on the programmer (Figure 1 on page 1), and the programmer will beep twice after the user card is written successfully. The user card now has a copy of all the user information programmed into Alliance Professional and is ready to use.

Credit issue

Use this menu option to manually:

- Write credits to a user's card.
- Read card details and credits from the card back to Alliance Professional.

Card security

Use this menu option to view and change:

- Credit access levels
- Credit location levels

Specifications

Supply voltage	
Typical	9 VDC
Maximum	12 VDC
Current consumption	75 mA max.
Operating temperature	32 to 122°F (0 to 50°C)
Humidity	95% noncondensing

Regulatory information

FCC compliance:

This device complies with part 15 of the FCC rules. Operation is subject to the following conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
FCC ID: CGGAL1623

Contact information

www.utcfireandsecurity.com or www.interlogix.com

For customer support: www.interlogix.com/customer-support

AL-1623 Smart Card Programmer Installation Instructions